

Michigan Chronic Hepatitis B Surveillance Summary
Cases Reported January 1, 2011 through December 31, 2011¹

Chronic Hepatitis B

Number of confirmed cases²=867

Michigan rate per 100,000 population=8.78

<u>Age (years)</u>	<u>N</u>	<u>Percent</u>
<1	3	0.3%
1-4	5	0.6%
5-9	7	0.8%
10-14	8	0.9%
15-19	22	2.5%
20-24	61	7.0%
25-29	84	9.7%
30-34	91	10.5%
35-39	101	11.6%
40-44	94	10.8%
45-49	94	10.8%
50-54	86	9.9%
55-59	84	9.7%
60-64	62	7.2%
65-69	22	2.5%
>70	42	4.8%
Unknown	1	0.1%

<u>Gender</u>	<u>N</u>	<u>Percent</u>
Male	356	41.1%
Female	507	58.5%
Unknown	4	0.5%

<u>Race</u>	<u>N</u>	<u>Percent</u>
American Indian or Alaska Native	5	0.6%
Asian	166	19.1%
African American	196	22.6%
Hawaiian or Pacific Islander	<5	N/A
Caucasian	215	24.8%
Other	46	5.3%
Unknown	199	23.0%
Multiple Races selected	39	4.5%

<u>Ethnicity</u>	<u>N</u>	<u>Percent</u>
Hispanic or Latino	9	1.0%
Not Hispanic or Latino	396	45.7%
Unknown	462	53.3%

Reported Cases by County

Alcona	1	Lake	0
Alger	3	Lapeer	2
Allegan	7	Leelanau	0
Alpena	4	Lenawee	4
Antrim	0	Livingston	7
Arenac	1	Luce	0
Baraga	0	Mackinac	0
Barry	2	Macomb	34
Bay	5	Manistee	1
Benzie	1	Marquette	2
Berrien	10	Mason	2
Branch	7	Mecosta	1
Calhoun	19	Menominee	0
Cass	1	Midland	4
Charlevoix	2	Missaukee	0
Cheboygan	2	Monroe	17
Chippewa	10	Montcalm	1
Clare	1	Montmorency	0
Clinton	1	Muskegon	8
Crawford	1	Newaygo	2
Delta	0	Oakland	73
Detroit City	170	Oceana	0
Dickinson	1	Ogemaw	0
Eaton	4	Ontonagon	0
Emmet	1	Osceola	0
Genesee	21	Oscoda	0
Gladwin	2	Otsego	1
Gogebic	2	Ottawa	8
Grand Traverse	6	Presque Isle	0
Gratiot	1	Roscommon	1
Hillsdale	1	Saginaw	11
Houghton	0	Sanilac	2
Huron	0	Schoolcraft	0
Ingham	61	Shiawassee	5
Ionia	6	St Clair	16
Iosco	1	St Joseph	4
Iron	0	Tuscola	0
Isabella	7	Van Buren	1
Jackson	17	Washtenaw	40
Kalamazoo	11	Wayne	189
Kalkaska	0	Wexford	3
Kent	37		
Keweenaw	1		

Footnotes:

¹ Represents cases reported to MDCH by local health departments during 2011.

² Case Definition (2011)

Clinical Description

No symptoms are required. Persons with chronic HBV infection may have no evidence of liver disease or may have a spectrum of disease ranging from chronic hepatitis to cirrhosis or liver cancer.

Laboratory Criteria for Diagnosis

IgM antibodies to hepatitis B core antigen (IgM anti-HBc) negative AND a positive result on one of the following tests: hepatitis B surface antigen (HBsAg), hepatitis B e antigen (HBeAg), or hepatitis B virus (HBV) DNA, OR

HBsAg positive or HBV DNA positive or HBeAg positive two times at least 6 months apart (Any combination of these tests performed 6 months apart is acceptable)

Case Classification

Confirmed: A case that meets either of the above laboratory criteria for diagnosis.

Probable: A person with a single HBsAg positive or HBV DNA positive or HBeAg positive lab result and does not meet the case definition for acute hepatitis B.

Note: Percentages may not equal 100 due to rounding.